

SEQUENCE LISTING

<110> OTA, TOSHIO  
ISOGAI, TAKAO  
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<120> GROWTH AND DIFFERENTIATION FACTOR

<130> 084335/0153

<140> 10/030,225

<141> 2002-01-08

<150> JP 11/194179

<151> 1999-07-08

<150> 60/159,586

<151> 1999-10-18

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<170> PatentIn Ver. 2.1

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<212> DNA

<213> Homo sapiens

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Ser	Ala	Ser	Pro	Asp	Pro	Arg	Pro	Leu	Lys	Glu	Glu	Glu	Glu	Ala	Pro	
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Pro Arg Thr Pro Glu Val Thr Pro Leu Arg Leu Glu Leu Gln Lys Leu	
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Pro Gly Leu Ala Ser Thr Thr Leu Ser Thr Pro Asn Pro Asp Thr Gln	
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Ala Ser Ala Ser Pro Asp Pro Arg Pro Leu Arg Glu Glu Glu Glu Ala	
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Arg Leu Leu Pro Arg Thr His Leu Gln Ala Glu Leu His Gln His Gly	
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Cys Trp Thr Val Thr Glu Pro Ala Ala Leu Thr Pro Gly Asn Ala Thr	
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Pro Pro Arg Thr Gln Glu Val Thr Pro Leu Leu Leu Glu Leu Gln Lys	
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Gln Val Thr Ile Lys Val Val Glu Asp Pro Gln Ala Glu Val Ser Ile	
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Asp Leu Leu Ala Glu Pro Ser Asn Pro Pro Pro Gln Asp Thr Leu Ser	
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Trp Leu Pro Ala Leu Trp Pro Phe Leu Trp Gly Asp Tyr Lys Gly Glu	
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Glu Lys Asp Arg Ala Pro Gly Glu Lys Gly Glu Glu Lys Glu Glu Asp	
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Glu Asp Tyr Pro Ser Glu Asp Ile Glu Gly Glu Asp Gln Glu Asp Lys	
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Cys Gly Tyr Gly Cys Thr Ala Thr Glu Thr Arg Thr Cys Asp Leu Pro	
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Glu Trp Lys Leu Leu Ala Arg Asn Ala Thr Asp Met His Asp Gln Asp	
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Val Asp Ser Cys Glu Lys Trp Leu Asn Cys Lys Ser Asp Phe Leu Ile	
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Lys Tyr Leu Ser Gln Met Leu Arg Asp Leu Pro Ser Cys Pro Cys Ala	
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Tyr Pro Leu Glu Ala Met Asp Ser Pro Val Ser Leu Gln Asp Glu His	
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Gln Gly Arg Ser Phe Arg Trp Arg Asp Ala Ser Gly Pro Arg Glu Arg	
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Ile Ser Thr Asp Phe Ser Pro Lys Leu His Phe Lys Phe Asp Thr Thr	
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<211> 571

<212> PRT

<213> Homo sapiens

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Gln	Val	Thr	Ile	Lys	Val	Val	Glu	Asp	Pro	Gln	Ala	Glu	Val	Ser	Ile
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Asp	Leu	Leu	Ala	Glu	Pro	Ser	Asn	Pro	Pro	Pro	Gln	Asp	Thr	Leu	Ser
225					230					235					240
Trp	Leu	Pro	Ala	Leu	Trp	Pro	Phe	Leu	Trp	Gly	Asp	Tyr	Lys	Gly	Glu
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 Pro Trp Ile Leu Cys Lys Gly Asp Trp Ser Arg Leu His Ala Val Leu  
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&lt;211&gt; 30

&lt;212&gt; RNA

&lt;213&gt; Artificial Sequence

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 <213> Homo sapiens

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 Leu Ser Lys Leu Leu Arg Asp Ser His Val Leu His Ser Arg Leu Ser  
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 Gln Cys Pro Glu Val His Pro Leu Pro Thr Pro Val Leu Leu Pro Ala  
   50                  55                  60



Val Asp Phe Ser Leu Gly Glu Trp Lys Thr Gln Met Glu Glu Thr Lys  
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 Ala Gln Asp Ile Leu Gly Ala Val Thr Leu Leu Leu Glu Gly Val Met  
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 Ala Ala Arg Gly Gln Leu Gly Pro Thr Cys Leu Ser Ser Leu Leu Gly  
 100 105 110  
 Gln Leu Ser Gly Gln Val Arg Leu Leu Leu Gly Ala Leu Gln Ser Leu  
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 Leu Gly Thr Gln Leu Pro Pro Gln Gly Arg Thr Thr Ala His Lys Asp  
 130 135 140  
 Pro Asn Ala Ile Phe Leu Ser Phe Gln His Leu Leu Arg Gly Lys Val  
 145 150 155 160  
 Arg Phe Leu Met Leu Val Gly Gly Ser Thr Leu Cys Val Arg Arg Ala  
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 Pro Pro Thr Thr Ala Val Pro Ser Arg Thr Ser Leu Val Leu Thr Leu  
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 Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu  
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 Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg  
 65 70 75 80  
 Met Glu Val Gly Gln Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu  
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 Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser  
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Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp Lys Ala Val Ser Gly  
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Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu  
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Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile  
 145 150 155 160

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Arg

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Pro Ala Pro Thr Thr Pro Lys Glu Pro Ala Pro Thr Thr Pro Lys Gly  
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Thr Ala Pro Thr Thr Leu Lys Glu Pro Ala Pro Thr Thr Pro Lys Lys  
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Thr Thr Ser Asp Lys Pro Ala Pro Thr Thr Pro Lys Glu Thr Ala Pro  
 100 105 110

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Thr Thr Thr Lys Glu Pro Thr Thr Ile His Lys Ser Pro Asp Glu Ser  
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Thr Pro Glu Leu Ser Ala Glu Pro Thr Pro Lys Ala Leu Glu Asn Ser  
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<213> Homo sapiens

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